Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Maintenance and repairs of Footpath in Kempegowda Ward no-01 of Yelahanka Sub Division

							Estimate Cost		30.00 Lakhs
Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Removing and resetting of Kerb Stone (Approved Rate)								
	Approved Rate	**118.00**							
	Area Weightage 10%	**11.80**							
	Total Rate	**129.80**							
	Kempegowda Ward								
	Cross Rd-1	1	430.00			430.00			
	Cross Rd-2	1	348.00			348.00			
	Cross Rd-3	2	190.00			380.00			
						1158.00			
	Deduct/Missing Slab 50%					579.00			
						579.00	**Sqm**	**129.80**	**75,154.20**
2	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10) Using 40 mm** nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.3 of PWD SR 2021-22)Issue Rate On 07-07-2022								
	Basic Rate	**5554.00**							
	Area Weightage 10%	**555.40**							
	Total Rate	**6109.40**							
	Kempegowda Ward								
	Qty From Item No-2	1	579.00	0.20	0.10	11.58			
						11.58	**Cum**	**6109.40**	**70,746.85**
3	Supplying and fixing M15 grade precast cement concrete **Kerb stones** for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finsihed in line as per direction of Engineer in charge. (The cost of PCC shall be paid extra) 600 x 300 x 150 mm Kerb Stone (V-III No-6.3,P No-146 of PWD BCSR 2021-22)								
	Data Rate	**507.00**							
	Kempegowda Ward								
	Qty From Item No-2	1	579.00			579.00			
						579.00	**m**		
						1287.00	**Nos**	**507.00**	**652509.00**
4	**Painting two coats** after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (V-III, P.No.56, I.No.8.10 of PW_PWD SR 2021-22)								
	Basic Rate	**85.00**							
	Area Weightage 10%	**8.50**							
	Total Rate	**93.50**							
	Kempegowda Ward								
	Cross Rd-1	1	430.00		0.35	150.50			
	Cross Rd-2	1	348.00		0.35	121.80			
	Cross Rd-3	2	190.00		0.35	133.00			
						405.30	**Sqm**	**93.50**	**37,895.55**
5	Providing and fixing precast reinforced cement concrete **covering slabs of 10Cm thick** made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST and Area Loading Charges)								
	Basic Data Rate	**2072.00**							

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Missing or Damaged Slabs								
		230	0.60	0.90		124.20			
		230	0.60	1.20		165.60			
						289.80	**Sqm**	**2072.00**	**600465.60**
6	Providing and fixing precast reinforced cement concrete covering slabs of 23Cm thick made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST and Area Loading Charges)								
	Basic Data Rate	**5037.00**							
	Missing or Damaged Slabs								
		15	0.60	1.20		10.80			
		15	0.60	1.50		13.50			
						13.50	**Sqm**	**5037.00**	**67,999.50**
7	Hydraulic Excavator of 0.9 Cum Bucket (2021-22 SR V-I Sl.No-50 P.No-A45)								
		6	6			36			
						36	Hr	944.00	**33984.00**
8	1024 - Providing Tractor 40 HP Hire Charges of including Operator and Fuel (P. XLVIII / I. 19) PWD SR								
			135			135			
						135	Day	1288.00	**173880.00**
9	Providing Causal Labours (Unskilled mazdoor Heavy) (PWD SR 2021-22, Page No-A52 . V-I)								
		8	135			1080			
						1080	Nos	486.22	**525118.00**
10	Supply and fixing of Retro Reflective **Single arrow road name sign board** of size 1600mm x 900mm made out of retro reflective sheeting conforming to Type XI standards of ASTM D 4956 - 09 & as per IRC 67-2012 for full back ground of blue colour & white letters and fixed over 4 mm thick Aluminium Composite Material sheet having minimum 0.5 mm thick Aluminium skin on both sides with back side painted grey colour and fixed over back support frame SS angle of 15mm x 20mm x 1.2mm, supported by 38mm OD stainless steel pipe all round in 304 grade and 2 nos of vertical posts of 50 mm OD stainless steel pipe of 202 grade firmly fixed to the ground by means of properly designed foundation of size 450mm x 450mm x 600mm in 1:1.5:3 ratio cement concrete. The background shall be blue in color with letters and border in white, the item includes earthwork excavation, cost of all materials, loading, unloading, lead, lift, transportation etc., complete. as per clause 6.9 of IRC 67-2012 for Type XI retro reflective sheeting from the sheeting manufacturer & a certified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 67-2012 including outdoor weather exposure report for the retro reflective sheeting offered shall be submitted by the contractor for technical qualification in the tender.(Approvied Arrival Rate)								
	Data Rate	38000.00							
		8				8.00			
						8.00	**Nos**	**38000.00**	**304000.00**

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
								Total Construction Cost	2541752.70
								18% GST for Construction Cost	457515.49
								Sub Total	2999268.19
								Utility Shifting,Miscellaneous and Rounding off	731.81
								GRAND TOTAL	3000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2021-2022, issue rates dated 07-07-2022 and Data Rates

Assistant Engineer
Ward No-01
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Administrative Approval
Accorded For Rs. 30.00 Lakhs
Head of A/C...P-3726
CER NO :...26..... Dt:22/8/22

TA CE (YNK)

Technical Sanction
Accorded For Rs. 30.00 Lakhs
Head of A/C...P-3726
CER NO :...62..... Dt:22/8/22

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